

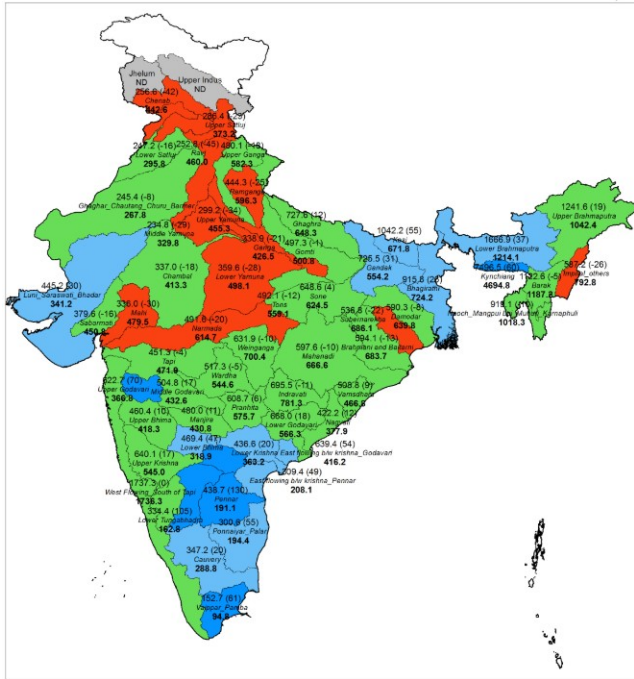


Central Water Commission
Daily Flood Situation Report cum Advisories
11-08-2020

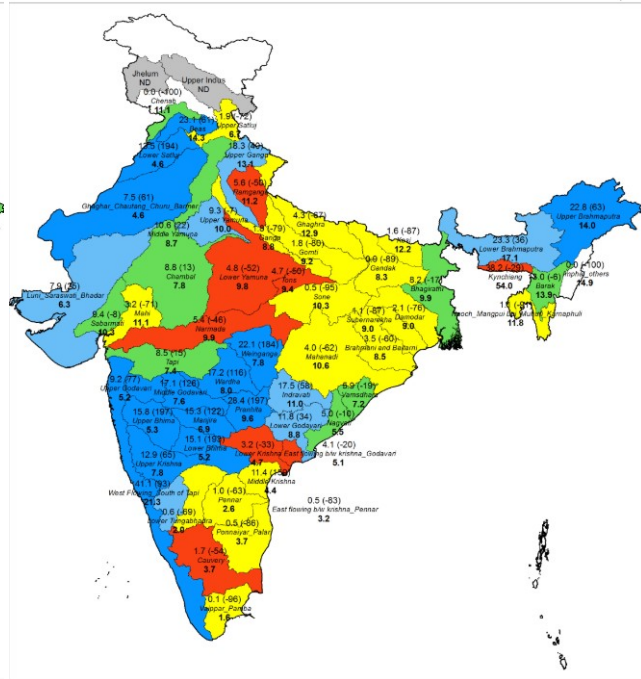
1.0 IMD information

1.1 Basin wise departure from normal of cumulative and daily rainfall

RIVER BASIN RAINFALL MAP : INDIA
 Period :01-06-2020 To 11-08-2020

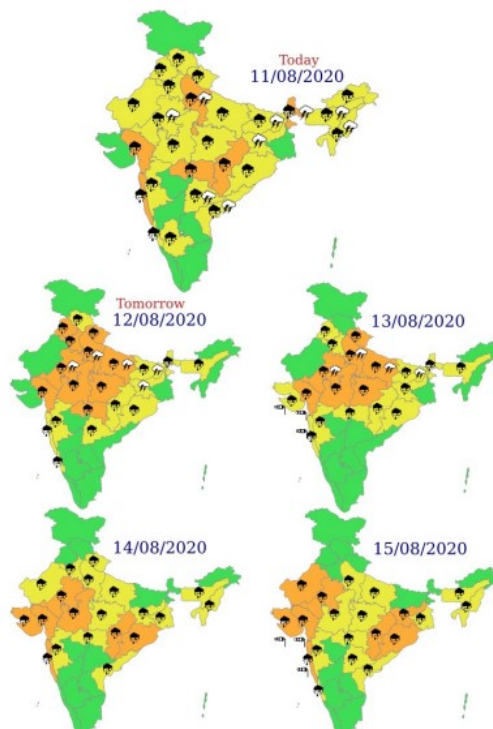


RIVER BASIN RAINFALL MAP : INDIA
 Date :11-08-2020



Notes: a) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm)
 b) Percentage departures of rainfall are shown in brackets.

1.2 Rainfall forecast for next 5 days issued on 11th August 2020 (Midday) by IMD



2.1 Flood Situation on 11th August 2020

On 11th August 2020, 20 Stations (13 in Bihar, 3 in Uttar Pradesh, 2 in Assam and 1 each in Jharkhand and West Bengal) are flowing in Severe Flood Situation and 36 stations (13 in Bihar, 10 in Assam, 5 in Uttar Pradesh, 3 in Kerala, 2 in Uttarakhand and 1 each in Arunachal Pradesh, Karnataka and West Bengal) are flowing in Above Normal Flood Situation. Inflow Forecast has been issued for 23 Barrages and Dams (12 in Karnataka, 2 in Telangana and 1 each in Andhra Pradesh, Jharkhand, Maharashtra, Madhya Pradesh, Odisha, Tamilnadu, Uttar Pradesh, Uttarakhand and West Bengal).

Details can be seen in link :- http://cwc.gov.in/sites/default/files/cfcr-cwcdfb11082020_5.pdf

Flood Alerted Districts Identified as per IMD Rainfall Forecast

Legend

- Severe Flood Situation
- Above Normal Flood Situation
- Inflow Forecast
- Flood Alerted
- Major Rivers
- Normal

2.2 CWC Advisories

- Fairly widespread to widespread rainfall with heavy to very heavy falls at isolated places very likely over major parts of northwest India (Western Himalayan region, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh) during next 2-3 days.
- Fairly widespread to widespread rainfall with heavy to very heavy falls at isolated places very likely over Gujarat state, East Rajasthan and parts of central India during 11th -15th August. Isolated extremely heavy falls also likely over Gujarat state & East Rajasthan and isolated heavy to very heavy falls over northern parts of Konkan & Goa, during 14th-15th August.

Based on the above rainfall forecast the following advisories are issued by CWC for various States:

2.2.1 West Coast & Ghat Area along West Coast

Karnataka, Telangana, Andhra Pradesh & Tamilnadu

Intensity of rainfall has considerably reduced over Kerala and Karnataka. The inflows into all the dams such as Kabini, Harangi and Hemavathi have reduced significantly and accordingly the outflows from these dams have been reduced. Since all the major reservoirs in Cauvery Basin namely Harangi, Hemavathy, Krishna Raja Sagar and Kabini are very near to their FRL, close watch has to be maintained for any increased inflows likely during the next few days due to localized heavy rainfall in the catchment areas. Since the storages are near about 90% and above, gate operations have to be done with due care at all times.

River Cauvery at Biligundulu in Dharmapuri District in Tamilnadu is flowing below Danger Level and has started falling. The inflow in Mettur Dam in Salem District has reduced as the upstream levels have started falling rapidly due to reduced rainfall. Inflows into Bhavanisagar Dam on river Bhavani in Erode District of Tamilnadu has also reduced.

Hidkal Dam on River Ghataprabha is filled to 94% of its full capacity with no releases from the dam and hence close watch has to be maintained for any increased inflows likely during the next 2-3 days.

Due to river flows from upstream areas of river Krishna, Almatti Dam and Narayanpur Dam are getting heavy inflows and since these dams are filled around 80 to 90% of the capacity, both the dams are releasing the excess flow. This is being realized at P D Jurala and Srisailem Dams in Telangana and Andhra Pradesh respectively.

It is advised that close watch has to be maintained for increased inflows likely during the next 2-3 days. Releases from any of these reservoirs may be done as per rule curve and standard operating procedure.

Kerala

Due to reduced intensity of rainfall but has started falling slowly. Since rainfall is expected to continue with reduced intensity, the flood situation in these rivers is likely to fall below Warning Level. Idukki and Edamalayar Dam have 59.76% of the capacity is filled in Idukki Dam and 52.54% in Edamalayar Dam and hence no spillage is expected. Many of the small dams having storage less than 100 MCM has got filled near to FRL in this spell of rain. Such dams are also releasing small quantities water to the downstream which is not allowing the water level in Main River to fall below warning level. These small reservoirs are also to be closely monitored by the concerned Project Authorities for any localised heavy rainfall due to thunderstorms and in case of release it should be intimated to all downstream areas.

2.2.2 Bihar, Jharkhand and Gangetic West Bengal

Many of the rivers in Bihar continue to flow in Severe to Above Normal Flood Situation with falling trend. The situation will continue for another 3-4 days.

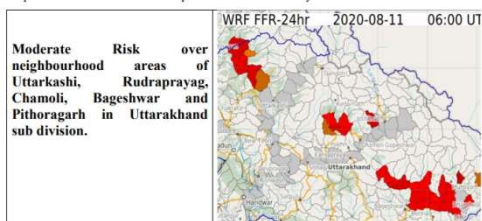
2.2.3 Madhya Pradesh, Rajasthan and Gujarat

Fairly widespread to widespread rainfall with heavy to very heavy falls at isolated places are very likely over Gujarat state, East Rajasthan and parts of central India during 11th -15th August. Since rainfall has been deficient in Madhya Pradesh, most of the dams are having less storage. However, since heavy rainfall has been given for Upper Chambal areas, close watch has to be maintained on dams in Chambal Basin. Similarly dams in Narmada are also having less storage as rainfall was deficient cumulatively. However, the ongoing rainfall for next 3-4 days can increase the storage in these dams.

2.2.4 Flash Flood Guidance

Flash Flood Guidance for Uttarakhand for next 24 hours as issued by IMD is appended.

Flash Flood Risk Outlook for next 24 hours: Following is flash flood risk based on the expected rainfall over the AoC as per Mesoscale model only.



2.2.5 Storage Position in Dams where Inflow forecast is being issued by CWC as on 11th August 2020

S. No.	River	Station	State	Storage present as % full reservoir level	Warning for Heavy rainfall for 24 hours
1	Kabini	Kabini Dam	Karnataka	98	
2	Ghataprabha	Hidkal Dam	Karnataka	94	
3	Nira	Veer Dam	Maharashtra	94	
4	Hemavathi	Hemavathi Dam	Karnataka	93	
5	Purna	Yeldari Dam	Maharashtra	92.34	
6	Hasdeo	Bango Dam	Chhattisgarh	92	
7	Harangi	Harangi Dam	Karnataka	90	Yes
8	Cauvery	Krishnarajasagar	Karnataka	90	
9	Wardha	Upper Wardha Project	Maharashtra	89.02	
10	Krishna	Narayanpur Dam	Karnataka	87	
11	Warana	Warana Dam	Maharashtra	83	
12	Bhadra	Bhadra Dam	Karnataka	81	
13	Krishna	Almatti Dam	Karnataka	80	
14	Wainganga	Upper Wainganga Project	Madhya Pradesh	80	Yes
15	Tungabhadra	Tungabhadra Dam	Karnataka	79	
16	Sone	Bansagar Dam	Madhya Pradesh	78	
17	Sindhpana	Manjlegaon	Maharashtra	77.61	
18	Malaprabha	Malaprabha Dam	Karnataka	77	
19	Kaddamvagu	Kaddam Dam	Telangana	76.32	
20	Pench	Totladoh Project	Madhya Pradesh	75.42	Yes
21	Chambal	Rana Pratap Sagar	Rajasthan	71.69	Yes
22	Som Kamla	Som Kamla Amba Dam	Rajasthan	70.17	Yes
23	Koyna	Koyna Dam	Maharashtra	70	

Close watch has to be maintained at these reservoirs wherever heavy rainfall (Yellow) and Very Heavy Rainfall (Orange) Warnings are given.

Impact Based Actions

Strict vigil is to be maintained in all the above States & Districts for next 4-5 days. Breaches in Embankment if any may aggravate further flood like situation which should be monitored and all efforts to fill any such breaches should be done at the earliest. Maximum vigil has to be maintained along the rail and road tracks and bridges on these rivers and regulate traffic suitably to avoid any incident. Submergence of low-level cause ways along rivers and railway tracks along flashy rivers is to be monitored closely especially along Western Ghat areas. All district administrations can take effective measures taking into account the prevailing Covid-19 situation in relief camps being set up in these districts.

3. Flood Affected Districts

Bihar: Katihar, Darbhanga, Khagaria, Sitamarhi, Muzaffarpur, Samastipur, Bhagalpur, Gopalganj
Karnataka: Kodagu, Hassan, Chikmagalur, Shivamogga, Uttara Kannada, Udupi and Dakshina Kannada
Kerala: Wayanad, Idukki, Pathanamthitta, Palakkad, Kozhikode, Kottayam, Thrissur

4. Flood Alerted Districts

Karnataka: Districts along West Flowing Rivers, Cauvery & its tributaries, Tungabhadra & its tributaries
Kerala: Districts along river Periyar, Bharathapuzha, Pamba, Kabini, Valapatnam, Kuttyadi
Madhya Pradesh: Districts along Narmada and Upper Chambal
Rajasthan: Districts along Chambal and its tributaries.